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Morbidity and Mortality

Weekly
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

For release December 27, 1963

ATLANTA, GEORGIA 30333

Vol. 12, No. 51

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED DECEMBER 21, 1963

BOTULISM — Three cases of botulism were reported this week from Pennsylvania. These occurred in a single family; the vehicle implicated was home-canned string beans. (See epidemiological reports.) The total of 44 cases recorded thus far this year considerably exceeds that of recent years:

	1963	1962	1961	1960	1959	1958
Reported Cases of Botulism	44*	10	14	12	20	6

* Through 50th week only

Twenty-two of this year's reported cases relate to commercially processed and distributed food stuffs, including smoked whitefish chubs (17 cases), canned tuna (3 cases), and canned liver paste (2 cases).

MENINGOCOCCAL INFECTIONS — Thirty-nine meningococcal infections were reported by 18 States for the week ending December 21. This raises the cumulative total to 2,251 cases thus far this year, compared to 2,048 cases for a comparable period last year.

The net increase of approximately 200 cases this year occurred entirely during the first half of the year. Since July, the incidence has been essentially the same as that observed during 1962.

Total cases to date this year and total cases over the past five years are shown below:

	1963	1962	1961	1960	1959	1958
Reported Meningococcal Infections	2251*	2150	2232	2259	2180	2581

* Through 50th week only

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	51st Week			Cumulative		
	Ended December 21, 1963	Ended December 22, 1962	Median 1958 - 1962	First	51 weeks	Median 1958 - 1962
				1963	1962	
Aseptic meningitis.....	25	43	---	1,797	2,518	---
Brucellosis.....	14	3	4	358	391	711
Diphtheria.....	9	5	18	290	449	827
Encephalitis, infectious.....	16	18	22	1,510	1,770	1,769
Hepatitis, infectious and serum...	637	898	898	42,013	52,502	39,306
Measles.....	3,406	3,461	4,316	384,179	472,229	425,602
Meningococcal infections.....	39	39	39	2,291	2,087	2,203
Poliomyelitis, total.....	6	19	29	429	881	3,240
Paralytic.....	5	18	16	364	701	2,256
Nonparalytic.....	-	1	7	46	127	643
Unspecified.....	1	-	6	19	53	341
Streptococcal sore throat and Scarlet fever.....	6,681	6,728	---	332,166	306,964	---
Tetanus.....	2	1	---	272	289	---
Tularemia.....	9	8	---	286	299	---
Typhoid fever.....	2	8	7	520	619	805
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	-	---	177	214	---
Rabies in Animals.....	42	37	47	3,631	3,507	3,507

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum.	Psittacosis:	Cum.
Botulism: Pa. - 3	4	Rabies in Man:	79
Malaria:	44	Smallpox:	1
Plague:	103	Typhus, murine:	-
	1		28

Figures for current week exclude missing reports from Alaska, Florida and Montana.

EPIDEMIOLOGICAL REPORTS

Botulism - Pennsylvania

An outbreak of Type B botulism in a Dauphin County, Pennsylvania, family occurred in November following the ingestion of uncooked, home-canned, cold-pack string beans. Of four family members, three developed definite clinical symptoms, one experienced equivocal illness.

The first to become ill was the 13-year-old son who experienced some difficulty with vision approximately 20 hours after consuming the suspect beans at the noon meal on Sunday, November 24. He stated that he experienced a "flash" when he turned his head suddenly. On Tuesday morning, he vomited after breakfast and later in the day noted double vision, "thickness" in his voice and had some difficulty eating. By the third day, he had developed obvious ptosis of the right eyelid; when he attempted to drink, he choked and water came out of his nose.

The 12-year-old daughter experienced nausea and vomiting on the Monday evening following the meal and on the following day stated that her eyes "felt dizzy". By Wednesday, she had evident diplopia, hoarseness and difficulty swallowing.

The mother, aged 32, first experienced double vision and hoarseness on Wednesday.

All three patients were hospitalized, tracheostomy was performed on the children; all received antitoxin at approximately four-hour intervals beginning about 1:00 A.M., Thursday, November 28. All recovered uneventfully.

The father who had eaten no beans complained of numbness in his jaw and stiffness of his throat on Friday, November 29, five days after the meal. This was ascribed simply to anxiety. However, the following day, he commenced to have some difficulty with his vision. Following antitoxin therapy, the symptoms abated. On further questioning, however, it was learned that the father had originally been served the beans but had scraped them from his plate. He did consume the residual juice.

The rapidity of onset of neurological symptoms appeared to correlate reasonably closely with the quantity of beans consumed:

Patient	Age	Quantity Consumed	Interval - eating to onset of neuro. symptoms
Son	12	1 cup	30 hours
Daughter	13	2/3 cup	48 hours
Mother	32	1/3 cup	60 hours
Father		juice only	120-144 hours

Canned by a relative, the beans had originally been cooked and, while still hot, put in clean, boiled two-quart jars and sealed. Received by the family two weeks before eating, the jar was opened, resealed, and stored in the refrigerator. The beans, without further cooking, were

served in a salad. An unpleasant, spoiled odor was noted but discounted as usual with "salted beans" with which the mother had been familiar in Germany.

The uneaten portion of the beans was examined in the State Health Department Laboratory. Type B toxin was demonstrated in the jar and *Clostridium botulinum* cultured from the beans.

(Reported by Drs. William S. Gordon and D. L. Minter, Harrisburg, Dr. Robert Roscoe, New Cumberland, and Dr. William S. Schrack, Director, Division of Communicable Diseases, Pennsylvania Department of Health.)

Dengue Fever - Connecticut

A case of dengue fever has been reported in a 28-year-old male resident of Puerto Rico who visited Connecticut. The patient lived at the outskirts of San Juan.

He arrived from Puerto Rico August 29 to visit his mother in Hamden, Connecticut. Three days later, he became ill with symptoms which included pain in his eye-balls, chest, back, and abdomen, generalized weakness, vomiting, and a fever to 104°. On September 4, a morbilliform rash was noted on his face, arms, chest, and back.

Laboratory studies revealed a trace of albumen in his urine, negative blood cultures, and hemagglutination tests as follows:

Hemagglutination Inhibition	SLE	EEE	WEE	Dengue			
				I	II	III	IV
9-4-63	<10	<10	<10	<10	<10	<10	<10
9-10-63	10	<10	<10	10	20	40	40

The patient recovered uneventfully and returned to Puerto Rico on September 12.

Connecticut officials reported this patient as a case of dengue fever after the hemagglutination tests were received in mid-November.

(Reported by Robert Jordan, M.D.; Leonard Parente, M.D., Director of Health, Hamden; James C. Hart, M.D., Director of Preventable Diseases Section, Connecticut State Department of Health; and Dr. Philip H. Coleman, Chief, Virology Laboratory, CDC.)

Editor's Note: This is the 18th imported case of clinical dengue fever reported to the Communicable Disease Center thus far in 1963. All Victims are believed to have acquired the disease while in either Jamaica or Puerto Rico, where there have been epidemics of dengue-like illness. For previous reports, see MMWR, Vol. 12, pp. 270, 308, 310, 378, and 403.

Salmonellosis - Nebraska

Three weeks after an Omaha father acquired "Boots", a pet puppy dog for his two children, the entire family of four experienced diarrhea. The youngest, a 2-year-old, became ill with bloody diarrhea, vomiting, and fever. Stool cultures from the 2-year-old, as well as from the puppy, yielded *Salmonella typhimurium*.

"Boots" had never been ill to the knowledge of the family. One of 9 in a litter, he had been acquired by his new owner when this puppy, along with its litter mates, was distributed to the patrons of a neighborhood tavern. Attempts to locate the other 8 puppies and their masters for further epidemiological study were unsuccessful because no one could remember the recipients.

All known victims have recovered, following antibiotic therapy. "Boots" was also treated with a broad spectrum antibiotic. Subsequent cultures have proven negative.

(Reported by Dr. E. A. Rogers, Director of Health, Nebraska State Department of Health, Dr. Edwin D. Lyman, Health Officer, Douglas County Health Department, Omaha, Nebraska, and an EIS Officer.)

Solmonellosis - Ohio

A case of gastroenteritis due to *Salmonella typhimurium* in a 3-month-old Cincinnati, Ohio, infant appears to have

been acquired from a pet parakeet, which died 4 days prior to the onset of the baby's symptoms.

The child had experienced diarrhea. A stool culture grew *S. typhimurium*. The same organism was isolated from the stools of 2 siblings, who were not ill.

On interviewing the family, the investigators from the Cincinnati Health Department learned of the parakeet's death. The deceased parakeet was no longer available for culture. Therefore, the investigator visited the pet store where the bird had been purchased. There had been no illness among the personnel caring for the parakeets nor had there been a history of any parakeets having been ill or having died while at the shop. Cultures of droppings were taken from parakeets present in the store at that time. These proved positive for *S. typhimurium*.

Investigators could not find evidence of salmonellosis in the birds at the distributing center, or at any of the other stores which received parakeets from the same distributor.

Because the birds had been fed dehulled millet seed, impregnated with aureomycin, for 15 days prior to their shipment, Ohio investigators believed the source of contamination was local where antibiotic was not added to the seed. They surmised that the local parakeet seed might have been contaminated with mouse droppings. (Reported by Dr. Thomas A. Cockburn, Assistant Health Commissioner, Cincinnati Board of Health, Dr. Herman Rehder, Veterinarian, Cincinnati Board of Health, and Dr. Harold A. Decker, Chief, Division of Communicable Diseases, Ohio State Department of Health.)

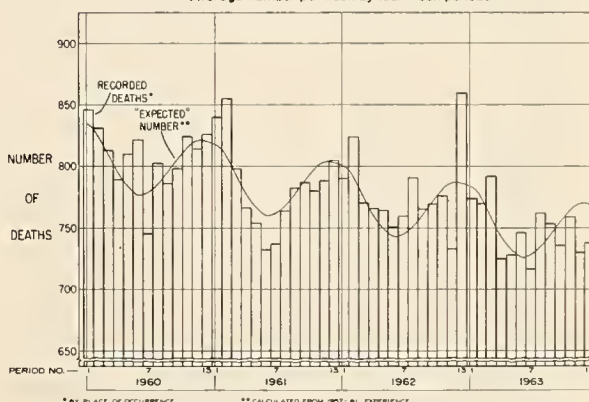
INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending December 21 was 738 as compared with an expected 769 weekly average.

TOTAL DEATHS UNDER ONE YEAR OF AGE RECORDED IN 108 CITIES

	WEEK ENDING				4 Week Total	Weekly Average
	11/30	12/7	12/14	12/21		
Observed	619	832	833	669	2,953	738
Expected	769	769	769	768	3,075	769
Excess	-150	63	64	-99	-122	-31

DEATHS UNDER ONE YEAR OF AGE IN 108 U.S. CITIES
Average number per week by four-week periods



(See Table page 425.)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

DECEMBER 21, 1963 AND DECEMBER 22, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	51st week		Cumulative First 51 weeks		51st week		Cumulative First 51 weeks		51st week		51st week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	6	19	429	881	5	18	364	701	-	1	25	43
NEW ENGLAND.....	-	-	8	9	-	-	8	8	-	-	2	1
Maine.....	-	-	2	-	-	-	2	-	-	-	1	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	1	1	-	-	1	-	-	-	-	-
Massachusetts.....	-	-	3	7	-	-	3	7	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	1	1
Connecticut.....	-	-	2	1	-	-	2	1	-	-	-	-
MIDDLE ATLANTIC.....	1	5	119	89	-	5	94	67	-	-	2	10
New York.....	1	-	12	61	-	-	7	42	-	-	1	8
New Jersey.....	-	-	4	9	-	-	3	9	-	-	-	-
Pennsylvania.....	-	5	103	19	-	5	84	16	-	-	1	2
EAST NORTH CENTRAL.....	-	4	58	139	-	4	47	106	-	-	1	5
Ohio.....	-	-	8	20	-	-	4	18	-	-	-	1
Indiana.....	-	1	4	24	-	1	3	19	-	-	-	-
Illinois.....	-	3	17	62	-	3	16	45	-	-	-	4
Michigan.....	-	-	20	21	-	-	20	17	-	-	1	-
Wisconsin.....	-	-	9	12	-	-	4	7	-	-	-	-
WEST NORTH CENTRAL.....	-	3	8	41	-	3	6	30	-	-	1	2
Minnesota.....	-	-	4	7	-	-	4	7	-	-	1	2
Iowa.....	-	-	-	7	-	-	-	3	-	-	-	-
Missouri.....	-	2	1	12	-	2	-	7	-	-	-	-
North Dakota.....	-	-	1	5	-	-	-	3	-	-	-	-
South Dakota.....	-	1	1	2	-	1	1	2	-	-	-	-
Nebraska.....	-	-	1	8	-	-	1	8	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	2	-	103	76	2	-	88	66	-	-	-	2
Delaware.....	-	-	1	-	-	-	1	-	-	-	-	-
Maryland.....	-	-	3	2	-	-	1	1	-	-	-	-
District of Columbia..	-	-	1	2	-	-	-	1	-	-	-	-
Virginia.....	-	-	21	8	-	-	16	8	-	-	-	1
West Virginia.....	-	-	4	17	-	-	4	17	-	-	-	-
North Carolina.....	1	-	6	13	1	-	5	11	-	-	-	-
South Carolina.....	1	-	9	6	1	-	8	6	-	-	-	-
Georgia.....	-	-	22	17	-	-	21	14	-	-	-	-
Florida.....	---	-	36	11	---	-	32	8	---	-	---	1
EAST SOUTH CENTRAL.....	1	2	74	82	1	2	68	69	-	-	2	6
Kentucky.....	-	1	-	30	-	1	-	24	-	-	-	1
Tennessee.....	1	-	12	12	1	-	11	6	-	-	1	-
Alabama.....	-	-	53	22	-	-	48	22	-	-	1	2
Mississippi.....	-	1	9	18	-	1	9	17	-	-	-	3
WEST SOUTH CENTRAL.....	1	3	29	332	1	2	28	255	-	1	-	-
Arkansas.....	-	-	5	22	-	-	4	19	-	-	-	-
Louisiana.....	-	2	14	32	-	2	14	29	-	-	-	-
Oklahoma.....	-	-	1	32	-	-	1	23	-	-	-	-
Texas.....	1	1	9	246	1	-	9	184	-	1	-	-
MOUNTAIN.....	-	-	7	20	-	-	5	15	-	-	2	6
Montana.....	---	-	-	4	---	-	-	3	---	-	---	-
Idaho.....	-	-	1	2	-	-	1	1	-	-	-	-
Wyoming.....	-	-	-	2	-	-	-	1	-	-	-	-
Colorado.....	-	-	1	4	-	-	-	3	-	-	2	5
New Mexico.....	-	-	1	2	-	-	-	2	-	-	-	-
Arizona.....	-	-	3	4	-	-	3	3	-	-	-	1
Utah.....	-	-	-	2	-	-	-	2	-	-	-	-
Nevada.....	-	-	1	-	-	-	1	-	-	-	-	-
PACIFIC.....	1	2	23	93	1	2	20	85	-	-	15	11
Washington.....	-	-	2	5	-	-	2	5	-	-	2	2
Oregon.....	-	-	2	7	-	-	1	5	-	-	1	-
California.....	1	2	19	81	1	2	17	75	-	-	10	9
Alaska.....	---	-	-	-	---	-	-	-	---	-	---	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	2	-
Puerto Rico.....	-	1	5	13	-	1	4	13	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

DECEMBER 21, 1963 AND DECEMBER 22, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	51st week	Cumulative 51 weeks	51st week	Cumulative 51 weeks	51st week		51st week			51st week		
							Under 20 yr.	20 & over	Total			
1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	14	358	9	290	16	18	324	272	637	898	3,406	3,461
NEW ENGLAND.....	-	1	-	8	-	1	60	40	102	104	334	119
Maine.....	-	-	-	-	-	-	32	16	48	50	6	1
New Hampshire.....	-	-	-	-	-	-	11	7	18	6	-	18
Vermont.....	-	1	-	-	-	-	5	3	8	1	50	18
Massachusetts.....	-	-	-	6	-	-	4	6	10	36	200	33
Rhode Island.....	-	-	-	2	-	1	3	4	7	1	1	8
Connecticut.....	-	-	-	-	-	-	5	4	11	10	77	41
MIDDLE ATLANTIC.....	-	8	-	24	6	3	66	54	120	223	785	399
New York.....	-	4	-	13	5	2	37	30	67	94	443	212
New Jersey.....	-	1	-	4	-	-	6	11	17	29	144	97
Pennsylvania.....	-	3	-	7	1	1	23	13	36	100	198	90
EAST NORTH CENTRAL.....	1	50	-	35	-	3	42	37	90	151	601	1,438
Ohio.....	-	-	-	1	-	1	15	9	30	47	88	255
Indiana.....	-	6	-	10	-	-	3	8	12	19	82	42
Illinois.....	-	23	-	17	-	2	1	7	8	33	245	81
Michigan.....	-	6	-	5	-	-	22	13	35	45	123	245
Wisconsin.....	1	15	-	2	-	-	1	-	5	7	63	815
WEST NORTH CENTRAL.....	10	188	2	48	-	1	22	13	39	32	142	178
Minnesota.....	1	10	-	15	-	-	-	2	3	11	-	121
Iowa.....	6	139	-	1	-	-	-	4	4	5	79	22
Missouri.....	1	13	-	1	-	-	5	3	8	4	14	16
North Dakota.....	-	-	-	6	-	-	8	1	9	-	49	19
South Dakota.....	1	12	1	14	-	-	1	-	3	-	-	-
Nebraska.....	-	6	1	11	-	-	4	3	7	9	-	-
Kansas.....	1	8	-	-	-	1	4	-	5	3	NN	NN
SOUTH ATLANTIC.....	-	23	4	72	1	2	36	19	56	89	431	283
Delaware.....	-	-	-	-	-	-	-	1	1	3	1	1
Maryland.....	-	-	-	-	-	-	6	4	10	10	68	3
District of Columbia..	-	-	-	1	-	-	-	-	-	4	4	3
Virginia.....	-	12	-	1	1	-	3	4	8	14	41	-
West Virginia.....	-	-	-	1	-	-	17	2	19	14	221	206
North Carolina.....	-	5	-	5	-	-	7	2	9	23	17	13
South Carolina.....	-	-	-	17	-	-	1	2	3	1	79	4
Georgia.....	-	3	4	23	-	-	2	4	6	3	-	2
Florida.....	---	3	---	24	---	2	---	---	---	17	---	51
EAST SOUTH CENTRAL.....	-	14	-	22	-	-	30	8	39	73	218	67
Kentucky.....	-	3	-	-	-	-	10	1	12	15	94	4
Tennessee.....	-	6	-	3	-	-	19	5	24	44	121	60
Alabama.....	-	5	-	16	-	-	1	1	2	5	2	1
Mississippi.....	-	-	-	3	-	-	-	1	1	9	1	2
WEST SOUTH CENTRAL.....	1	38	3	72	-	1	26	14	40	60	155	103
Arkansas.....	-	9	-	4	-	-	3	2	5	8	1	-
Louisiana.....	1	9	3	36	-	-	9	2	11	10	-	1
Oklahoma.....	-	5	-	20	-	-	-	-	-	6	12	-
Texas.....	-	15	-	12	-	1	14	10	24	36	142	102
MOUNTAIN.....	-	10	-	5	-	-	3	6	31	38	85	439
Montana.....	---	-	---	-	---	-	---	---	---	1	---	124
Idaho.....	-	-	-	-	-	-	-	-	2	-	29	49
Wyoming.....	-	1	-	-	-	-	-	-	-	1	-	7
Colorado.....	-	-	-	3	-	-	2	2	12	11	17	104
New Mexico.....	-	1	-	2	-	-	1	-	1	8	NN	NN
Arizona.....	-	3	-	-	-	-	-	-	12	14	30	67
Utah.....	-	5	-	-	-	-	-	4	4	3	8	88
Nevada.....	-	-	-	-	-	-	-	-	-	-	1	-
PACIFIC.....	2	26	-	4	9	7	39	81	120	128	655	435
Washington.....	-	-	-	-	-	1	2	11	13	26	183	84
Oregon.....	-	3	-	-	1	-	5	13	18	28	126	52
California.....	2	21	-	4	8	6	30	56	86	64	343	163
Alaska.....	---	-	---	-	---	-	---	---	---	10	---	1
Hawaii.....	-	2	-	-	-	-	2	1	3	-	3	135
Puerto Rico.....	-	1	-	13	-	-	24	8	32	13	85	22

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
DECEMBER 21, 1963 AND DECEMBER 22, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	51st wk.	Cumulative 51 weeks	51st	week	51st wk.	51st wk.	51st wk.	51st wk.	Cumulative 51 weeks	51st week		Cumulative 51 weeks
										1963	1962	
UNITED STATES....	39	2,291	6,681	6,728	2	-	9	2	520	42	37	3,631
NEW ENGLAND.....	2	133	583	523	-	-	-	-	13	-	-	32
Maine.....	-	19	73	12	-	-	-	-	2	-	-	2
New Hampshire.....	-	4	3	19	-	-	-	-	-	-	-	15
Vermont.....	-	6	49	-	-	-	-	-	1	-	-	14
Massachusetts.....	-	59	90	100	-	-	-	-	6	-	-	1
Rhode Island.....	1	13	48	60	-	-	-	-	-	-	-	-
Connecticut.....	1	32	320	332	-	-	-	-	4	-	-	-
MIDDLE ATLANTIC....	9	329	261	335	-	-	1	-	89	-	2	118
New York.....	2	153	146	189	-	-	1	-	46	-	1	89
New Jersey.....	3	53	37	73	-	-	-	-	6	-	-	-
Pennsylvania.....	4	123	78	73	-	-	-	-	37	-	1	29
EAST NORTH CENTRAL..	2	353	615	642	-	-	2	-	67	4	-	536
Ohio.....	-	99	67	105	-	-	-	-	29	1	-	309
Indiana.....	1	47	71	84	-	-	1	-	7	-	-	52
Illinois.....	-	72	97	134	-	-	1	-	13	-	-	75
Michigan.....	1	100	207	192	-	-	-	-	13	1	-	50
Wisconsin.....	-	35	173	127	-	-	-	-	5	2	-	50
WEST NORTH CENTRAL..	3	141	157	71	1	-	2	-	29	19	13	985
Minnesota.....	-	28	14	10	1	-	-	-	3	4	5	270
Iowa.....	-	7	45	27	-	-	-	-	3	7	4	341
Missouri.....	-	41	9	6	-	-	2	-	19	3	2	177
North Dakota.....	1	17	71	6	-	-	-	-	-	2	-	41
South Dakota.....	-	7	15	8	-	-	-	-	1	2	2	100
Nebraska.....	-	25	-	-	-	-	-	-	1	1	-	33
Kansas.....	2	16	3	14	-	-	-	-	2	-	-	23
SOUTH ATLANTIC.....	4	417	627	595	-	-	3	1	83	3	7	529
Delaware.....	-	4	2	13	-	-	-	-	4	-	-	1
Maryland.....	-	58	43	20	-	-	2	-	12	-	-	2
Dist. of Columbia..	-	8	4	1	-	-	-	-	-	-	-	-
Virginia.....	2	90	288	127	-	-	-	-	13	3	1	219
West Virginia.....	-	23	219	127	-	-	-	-	7	-	6	114
North Carolina.....	2	82	25	80	-	-	-	1	18	-	-	16
South Carolina.....	-	24	39	32	-	-	-	-	9	-	-	10
Georgia.....	-	34	7	1	-	-	1	-	2	-	-	85
Florida.....	---	94	---	194	---	---	---	---	18	---	-	82
EAST SOUTH CENTRAL..	1	152	1,290	924	-	-	1	-	72	4	6	280
Kentucky.....	-	33	11	43	-	-	1	-	14	4	6	126
Tennessee.....	1	71	1,207	835	-	-	-	-	31	-	-	134
Alabama.....	-	25	10	11	-	-	-	-	11	-	-	20
Mississippi.....	-	23	62	35	-	-	-	-	16	-	-	-
WEST SOUTH CENTRAL..	9	212	595	596	-	-	-	-	86	7	4	677
Arkansas.....	-	14	8	1	-	-	-	-	34	3	1	91
Louisiana.....	5	86	7	9	-	-	-	-	26	1	3	51
Oklahoma.....	1	36	24	2	-	-	-	-	6	3	-	62
Texas.....	3	76	556	584	-	-	-	-	20	-	-	473
MOUNTAIN.....	4	84	1,537	1,824	-	-	-	-	20	3	-	138
Montana.....	---	3	---	27	---	---	---	---	1	---	-	-
Idaho.....	-	6	45	142	-	-	-	-	-	-	-	-
Wyoming.....	-	7	116	154	-	-	-	-	-	-	-	-
Colorado.....	4	25	583	707	-	-	-	-	6	-	-	16
New Mexico.....	-	5	477	395	-	-	-	-	6	-	-	41
Arizona.....	-	13	174	238	-	-	-	-	7	3	-	67
Utah.....	-	20	138	161	-	-	-	-	-	-	-	3
Nevada.....	-	5	4	-	-	-	-	-	-	-	-	11
PACIFIC.....	5	470	1,016	1,218	1	-	-	1	61	2	5	336
Washington.....	-	40	185	337	-	-	-	-	3	-	-	-
Oregon.....	1	35	21	49	-	-	-	-	2	-	-	13
California.....	4	366	778	820	-	-	-	1	53	2	5	314
Alaska.....	---	15	---	1	---	---	---	---	1	---	-	9
Hawaii.....	-	14	32	11	1	-	-	-	2	-	-	-
Puerto Rico.....	-	8	8	2	2	-	-	-	14	1	-	15

Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)^o

Area	For weeks ending				Area	For weeks ending			
	11/30	12/7	12/14	12/21		11/30	12/7	12/14	12/21
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	7	10	9	8	Atlanta, Ga.....	5	12	13	17
Bridgeport, Conn.....	3	3	3	1	Baltimore, Md.....	17	33	16	23
Cambridge, Mass.....	3	-	-	3	Charlotte, N.C.....	3	4	3	5
Fall River, Mass.....	-	-	-	1	Jacksonville, Fla.....	7	1	4	-
Hartford, Conn.....	3	4	8	4*	Miami, Fla.....	3	3	6	2
Lowell, Mass.....	-	3	1	1	Norfolk, Va.....	5	4	3	9
Lynn, Mass.....	-	2	1	-	Richmond, Va.....	6	5	2	6
New Bedford, Mass.....	-	1	3	1*	Savannah, Ga.....	3	1	1	2
New Haven, Conn.....	-	7	2	2*	St. Petersburg, Fla.....	1	1	-	4
Providence, R.I.....	7	3	-	5	Tampa, Fla.....	4	3	5	2
Somerville, Mass.....	-	2	-	-	Washington, D.C.....	24	24	20	17
Springfield, Mass.....	1	1	-	2	Wilmington, Del.....	1	3	4	2
Waterbury, Conn.....	1	4	1	2					
Worcester, Mass.....	3	3	3	2*	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	7	2	13	4
Albany, N.Y.....	5	3	1	2	Chattanooga, Tenn.....	1	2	2	-
Allentown, Pa.....	-	3	-	-	Knoxville, Tenn.....	-	2	2	3
Buffalo, N.Y.....	3	10	4	7	Louisville, Ky.....	3	5	8	6
Camden, N.J.....	2	3	4	4	Memphis, Tenn.....	9	3	7	15
Elizabeth, N.J.....	3	4	2	2*	Mobile, Ala.....	5	4	5	4
Erie, Pa.....	2	2	4	2	Montgomery, Ala.....	-	3	6	1
Jersey City, N.J.....	1	3	6	2	Nashville, Tenn.....	2	3	7	4
Newark, N.J.....	4	5	23	9	WEST SOUTH CENTRAL:				
New York City, N.Y.....	66	90	94	75	Austin, Tex.....	1	5	1	3
Paterson, N.J.....	3	4	1	1	Baton Rouge, La.....	1	6	3	2
Philadelphia, Pa.....	29	34	16	21	Corpus Christi, Tex.....	2	3	6	1
Pittsburgh, Pa.....	3	21	15	10	Dallas, Tex.....	7	17	10	12
Reading, Pa.....	1	1	4	1	El Paso, Tex.....	2	7	8	7
Rochester, N.Y.....	2	5	10	7	Fort Worth, Tex.....	4	6	7	5
Schenectady, N.Y.....	1	1	1	1*	Houston, Tex.....	14	11	23	13*
Scranton, Pa.....	1	2	-	-	Little Rock, Ark.....	2	4	5	2
Syracuse, N.Y.....	5	4	7	3*	New Orleans, La.....	13	15	16	19
Trenton, N.J.....	4	-	3	1	Oklahoma City, Okla.....	4	13	8	5
Utica, N.Y.....	-	2	1	5	San Antonio, Tex.....	2	21	11	9
Yonkers, N.Y.....	2	2	2	1	Shreveport, La.....	-	7	6	2
EAST NORTH CENTRAL:					Tulsa, Okla.....	2	4	2	-
Akron, Ohio.....	2	4	3	4*	MOUNTAIN:				
Canton, Ohio.....	2	1	5	2	Albuquerque, N. Mex.....	2	3	1	5
Chicago, Ill.....	35	44	67	45	Colorado Springs, Colo...	-	3	-	4
Cincinnati, Ohio.....	13	13	16	5	Denver, Colo.....	5	8	16	11*
Cleveland, Ohio.....	14	19	10	6	Ogden, Utah.....	-	2	2	2
Columbus, Ohio.....	8	7	11	6	Phoenix, Ariz.....	7	10	11	4
Dayton, Ohio.....	6	7	2	2	Pueblo, Colo.....	2	1	1	-
Detroit, Mich.....	20	24	31	17	Salt Lake City, Utah.....	7	6	5	5
Evansville, Ind.....	4	3	1	-	Tucson, Ariz.....	4	7	6	3
Flint, Mich.....	3	6	2	4	PACIFIC:				
Fort Wayne, Ind.....	3	5	7	3	Berkeley, Calif.....	1	1	-	2
Cary, Ind.....	3	2	7	5	Fresno, Calif.....	4	3	4	4*
Grand Rapids, Mich.....	1	5	3	1	Glendale, Calif.....	1	1	1	2
Indianapolis, Ind.....	10	17	13	7	Honolulu, Hawaii.....	4	4	9	7
Madison, Wis.....	1	4	-	2*	Long Beach, Calif.....	6	2	5	-
Milwaukee, Wis.....	10	12	7	5	Los Angeles, Calif.....	20	39	43	40
Peoria, Ill.....	1	3	-	1	Oakland, Calif.....	1	6	9	6
Rockford, Ill.....	1	2	2	1	Pasadena, Calif.....	2	-	1	2
South Bend, Ind.....	-	3	3	3	Portland, Oreg.....	2	5	8	5
Toledo, Ohio.....	9	3	9	6	Sacramento, Calif.....	6	5	5	5*
Youngstown, Ohio.....	3	1	1	3	San Diego, Calif.....	11	6	10	12
WEST NORTH CENTRAL:					San Francisco, Calif.....	9	5	9	6
Des Moines, Iowa.....	3	-	3	3	San Jose, Calif.....	3	3	1	6
Duluth, Minn.....	1	-	-	2	Seattle, Wash.....	4	14	10	9
Kansas City, Kans.....	9	2	1	1	Spokane, Wash.....	3	1	3	3
Kansas City, Mo.....	6	9	8	3	Tacoma, Wash.....	3	3	3	2*
Lincoln, Nebr.....	1	5	-	-					
Minneapolis, Minn.....	8	8	10	9	San Juan, P.R.....	(---)	(---)	(---)	(---)
Omaha, Nebr.....	9	10	4	5					
St. Louis, Mo.....	19	18	8	13					
St. Paul, Minn.....	5	6	6	-					
Wichita, Kans.....	8	5	1	2					

^oCurrent Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.....	11,868
4(B) Pneumonia-Influenza Deaths, all ages.....	501
4(C) Total Deaths under 1 Year of Age.....	669
4(D) Total Deaths, Persons 65 years and over.....	6,794

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.



Dengue - Puerto Rico

For the week ended December 21, 783 cases of dengue-like illness were reported to the Puerto Rico Department of Health. The total reported to date is 24,933 cases.

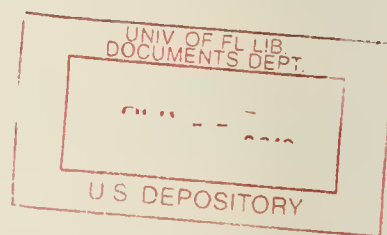
On the basis of reported cases, no evident trend can yet be detected in the course of the epidemic. Reported numbers of cases by week for November and December are shown below:

Week Ended	No. of Cases
November 9	962
16	916
23	1733
30	473
December 7	1011
14	1278
21	783

(Reported by Rafael Timothee, M.D., Director, Preventive Medical Services, Puerto Rico Department of Health, and a team from the Communicable Disease Center.)

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Lawrence K. Altman, M.D., Editor
Morbidity and Mortality Weekly Report
Atlanta, Georgia 30333



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